

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) An universal power supply apparatus, comprising:  
an tip 400 that is attachable and detachable, wherein the tip comprises a select pin 420 for selecting a voltage, a tip input terminal 410 and a tip output terminal 430;  
a main unit 100 having a voltage converter 120, an input terminal 110, an output terminal 130, and an output select unit 200 for converting a divided value of a reference voltage according to a state of a select stage included in the select pin 420 of the tip; and  
a cable 300 for connecting the tip and the main unit.
2. (Original) The universal power supply apparatus as claimed in claim 1, wherein the tip 400 is exchanged according to a desired select voltage.
3. (Original) The universal power supply apparatus as claimed in claim 1, wherein the tip 400 further comprises a select information display unit 440 for displaying selection of a tip.
4. (Original) The universal power supply apparatus as claimed in claim 3, wherein the select information display unit 440 comprises a numerical information display unit 441 for displaying an adequate shape and voltage to a DC input terminal of an electronic device, and a color information display unit 442 for displaying color.
5. (Currently amended) The universal power supply apparatus as claimed in ~~any one of claims 1 to 4~~claim 1, wherein a first voltage selected by the change of the select

pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

6. (Currently amended) The universal power supply apparatus as claimed in ~~any one of claims 1 to 4~~claim 1, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

7. (Currently amended) The universal power supply apparatus as claimed in ~~any one of claims 1 to 4~~claim 1, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit 100.

8. (Currently amended) The universal power supply apparatus as claimed in ~~any one of claims 1 to 4~~claim 1, wherein the universal power supply apparatus operates as an external type battery pack in which a battery 102 and a battery control circuit 103 are connected to the input terminal of the main unit 100.

9. (Currently amended) The universal power supply apparatus as claimed in ~~any one of claims 1 to 4~~claim 1, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

10. (Currently amended) The universal power supply apparatus as claimed in ~~any one of claims 1 to 4~~claim 1, wherein the voltage converter 120 comprises a PWM control IC 121 being one of components of a SMPS circuit, a FET Q being a switching device, a diode D, an inductor or a transformer L, and condensers Cin and Cout for smoothing voltages at input and output sides.

11. (New) The universal power supply apparatus as claimed in claim 2, wherein a first voltage selected by the change of the select pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

12. (New) The universal power supply apparatus as claimed in claim 3, wherein a first voltage selected by the change of the select pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

13. (New) The universal power supply apparatus as claimed in claim 4, wherein a first voltage selected by the change of the select pin is 15 to 16 volts, a second voltage is 18 to 20 volts, and a use power is 60 to 90 watts.

14. (New) The universal power supply apparatus as claimed in claim 2, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

15. (New) The universal power supply apparatus as claimed in claim 3, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

16. (New) The universal power supply apparatus as claimed in claim 4, wherein a first voltage condition selected by the change of the select pin is 4 to 5 volts, a second voltage condition is 9 to 10 volts, a third voltage condition is 12 to 15 volts, and a use power is 5 to 24 watts.

17. (New) The universal power supply apparatus as claimed in claim 2, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit 100.

18. (New) The universal power supply apparatus as claimed in claim 3, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit 100.

19. (New) The universal power supply apparatus as claimed in claim 4, wherein the universal power supply apparatus operates as a DC/DC adaptor using the DC power as an input power to the main unit 100.

20. (New) The universal power supply apparatus as claimed in claim 2, wherein the universal power supply apparatus operates as an external type battery pack in which a battery 102 and a battery control circuit 103 are connected to the input terminal of the main unit 100.

21. (New) The universal power supply apparatus as claimed in claim 3, wherein the universal power supply apparatus operates as an external type battery pack in which a battery 102 and a battery control circuit 103 are connected to the input terminal of the main unit 100.

22. (New) The universal power supply apparatus as claimed in claim 4, wherein the universal power supply apparatus operates as an external type battery pack in which a battery 102 and a battery control circuit 103 are connected to the input terminal of the main unit 100.

23. (New) The universal power supply apparatus as claimed in claim 2, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

24. (New) The universal power supply apparatus as claimed in claim 3, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

25. (New) The universal power supply apparatus as claimed in claim 4, wherein the universal power supply apparatus operates as an AC/DC adaptor using the AC power as an input power to the main unit.

26. (New) The universal power supply apparatus as claimed in claim 2, wherein the voltage converter 120 comprises a PWM control IC 121 being one of components of a SMPS circuit, a FET Q being a switching device, a diode D, an inductor or a transformer L, and condensers  $C_{in}$  and  $C_{out}$  for smoothing voltages at input and output sides.

27. (New) The universal power supply apparatus as claimed in claim 3, wherein the voltage converter 120 comprises a PWM control IC 121 being one of components of a SMPS circuit, a FET Q being a switching device, a diode D, an inductor or a transformer L, and condensers  $C_{in}$  and  $C_{out}$  for smoothing voltages at input and output sides.

28. (New) The universal power supply apparatus as claimed in claim 4, wherein the voltage converter 120 comprises a PWM control IC 121 being one of components of a SMPS circuit, a FET Q being a switching device, a diode D, an inductor or a transformer L, and condensers  $C_{in}$  and  $C_{out}$  for smoothing voltages at input and output sides.